

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Number: 7,697,624 B2  
Issued: April 13, 2010  
Name of Patentee: Masayuki Orihashi et al.  
Title of Invention: COMMUNICATION APPARATUS AND  
COMMUNICATION METHOD UTILIZING  
MULTIPLE CARRIER WAVES FOR  
OVERCOMING INTERFERENCE

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. § 1.322(a))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attention: Certificate of Correction Branch

1. Attached is Form PTO/SB/44.
2. Correction of the Official Letters Patent is respectfully requested in view of the following text which appears correctly in the application file:  
  
On the cover page at item (57) ABSTRACT, on line 1, "(103)" should be deleted as indicated in the Amendment filed on October 18, 2004.  
  
On the cover page at Item (57) ABSTRACT, on line 7, "(101)" should be deleted as indicated in the Amendment filed on October 18, 2004.
3. Please send the Certificate to:  
  
Name: Lawrence E. Ashery  
P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

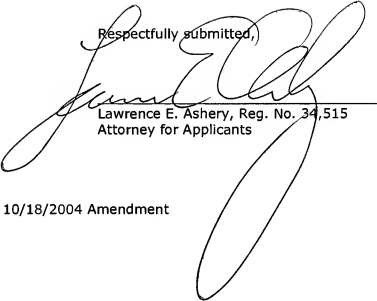
Name of Assignee: Panasonic Corporation

Assignment Recorded on: October 18, 2004

Reel: 016502

Frame: 0741

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/dmw

Enclosures: Form PTO/SB/44  
Copy/Pgs. 4 and 5 of 10/18/2004 Amendment

Dated: September 14, 2010

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964503

**Amendment to the Abstract:**

The Abstract has been amended. A revised Abstract is attached.

Abstract

There are included a transmission modulator ~~(103)~~ for impulse-modulating the data to be transmitted, thereby producing a subcarrier; a subcarrier control section for controlling the subcarrier to be utilized for communication, depending on the amount and significance of information and on the propagation condition of communication; and an antenna section ~~(101)~~ for radiating the subcarrier signal. This structure allows selection of a subcarrier suitable for information to be transmitted and for propagation environment, and hence allows a communication to be performed which exhibits a high flexibility and a high noise immunity. Thus, there can be provided a communication apparatus that can perform a high-quality, high-stability communication exhibiting an improved interfering immunity and that performs a flexible impulse communication.

Respectfully submitted,

Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/dmw

Attachment: Abstract

Dated: October 18, 2004

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The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

Express Mail Number: EV 532 972 195 US  
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I hereby certify that this correspondence is being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.

Kathleen Libby

## Abstract

There are included a transmission modulator for impulse-modulating the data to be transmitted, thereby producing a subcarrier; a subcarrier control section for controlling the subcarrier to be utilized for communication, depending on the amount and significance of information and on the propagation condition of communication; and an antenna section for radiating the subcarrier signal. This structure allows selection of a subcarrier suitable for information to be transmitted and for propagation environment, and hence allows a communication to be performed which exhibits a high flexibility and a high noise immunity. Thus, there can be provided a communication apparatus that can perform a high-quality, high-stability communication exhibiting an improved interfering immunity and that performs a flexible impulse communication.

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